

Appl. No. 09/785,548
Reply and Amendment dated Aug. 20, 2003
Reply to Office Action of Feb. 20, 2003

Amendments to the Drawings:

Applicants submit two sheets of Drawings including amended Fig. 6 and Fig. 7 in order to comply with the rules for applications containing sequences and Sequence Listings. The amended drawings add the SEQ ID NO to each figure and correct typographical errors, as explained in the Remarks below. The amended Drawing sheets are attached as Replacement sheets. Also attached are Annotated sheets indicating where changes have been made, and a copy of the Originally filed Sheets.

AUG 25 2003

TECH CENTER 1600/2900

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Replacement Sheet



Ly111b-fullA : the transcript (SEQ ID NO: 477)

AATGGAAGGGCGTGAGCGCTTGGTCCATGCAGTGAAGCTCTTCCAACCTGGGTCAACGAAAACG
GAGAAGAAATGGCCCAAGAAATAGATCTGAGTGCTCTCAAGGAGTTAGAACGCGAGGCCATTCT
CCAGGTCTGTACCGAGACCAGGCGGTTCAAACACAGAGGAGAGGACACGGAACTGAAA
ACACACCTGCAGCATCTCCGGTGGAAAGGAGCGAAGAACACGGACTGGGAGCACAAAGAGAAGT
GCTGTGCGCGCTGCCAGCAGGTGCTGGGGTTCCTGCTGCACCGGGCGCCGTGTGCCGGGGCTG
CAGCCACCGCGTGTGTGCCAGTGCCGAGTGTTCTGAGGGGACCCATGCCTGGAAGTGCACG
GTGTGCTTCGAGGACAGGAATGTCAAATAAAAACTGGAGAATGGTTCTATGAGGAACGAGCCA
AGAAATTTCCAACCTGGAGGCAAACATGAGACAGTTGGAGGGCAGCTCTTGCAATCTTATCAGAA
GCTGAGCAAAATTTCTGTGGTTCCTCCTACTCCACCTCCTGTGAGGAGAGCCAGTGCAGCCGC
AGTCCTGGCAGGTTACAGGAATTTGGTCAGTTTAGAGGATTTAATAAGTCCGTGGAAAATTTGT
TTCTGTCTCTTGCTACCCACGTGAAAAGCTCTCCAAATCCCAGAATGATATGACTTCTGAGAA
GCATCTTCTCGCCACGGGCCCCAGGCAGTGTGTGGGACAGACAGAGACGGAGCCAGTCTGAC
ACTGCGGTCAACGTCAACCACAGGAAGGTGAGTGCACCAGATATTCTGAAACCTCTCAATCAAG
AGGATCCCAAATGCTCTACTAACCCTATTTTGAAGCAACAGAATCTCCCATCCAGTCCGGCACC
CAGTACCATATTCTCTGGAGGTTTTAGACACGGAAGTTTAAATTAGCATTGACAGCACCTGTACA
GAGATGGGCAATTTTGACAATGCTAATGTCACTGGAGAAATAGAATTTGCCATTCAATTATTGCT
TCAAACCCATTCTTTAGAAATATGCATCAAGGCCTGTAAGAACCTTGCCTATGGAGAAGAAAA
GAAGAAAAAGTGCAATCCGTATGTGAAGACCTACCTGTTGCCGACAGATCCTCCCAGGGAAAG
CGCAAGACTGGAGTCCAAAGGAACACCGTGGACCCGACCTTTCAGGAGACCTTGAAGTATCAGG
TGGCCCCCTGCCAGCTGGTGACCCGGCAGCTGCAGGTCTCGGTGTGGCATCTGGGCACGCTGGC
CCGGAGAGTGTCTTGGAGAAGTGATCATTCTCTGGCCACGTGGGACTTTGAAGACAGCACA
ACACAGTCCTTCCGCTGGCATCCGCTCCGGGCCAAGGCGGAGAAATACGAAGACAGCGTTCTCTC
AGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGGTTCTCCCTTCACGGCCCAGAAAACCTCCA
AGAGGCTCAAGAAGGGACAGATCAGCCATCACTTCATGGTCAACTTTGTTTGGTAGTGCTAGGA
GCCAAGAATTTACCTGTGCGGCCAGATGGCACCTTGAACCTATTGTTAAGGGCTGTCTCACTC
TGCCAGACCAACAAAACTGAGACTGAAGTCGCCAGTCTGAGGAAGCAGGCTTGCCCCAGTG
GAAACACTCATTTGTCTTCACTGGCGTAACCCAGCTCAGCTGAGGCAGTCGAGCTTGAGTTA
ACTGTCTGGGATCAGGCCCTCTTTGGAATGAACGACCGCTTGCTTGGAGGAACCAGACTTGGTT
CAAAGGGAGACACAGCTGTTGGCGGGGATGCATGCTCACAATCGAAGCTCCAGTGGCAGAAAGT
CCTTTCCAGCCCCAATCTATGGACAGACATGACTCTTGCTCTGACTGACATGAAGGCCTCAAG
GTTCCAGGTTGCAGCAGGCGTGAGG

pLy111b-fullA : the protein (SEQ ID NO: 48)

MAQEIDLSALKELEREAILQVLYRDQAVQNTTEERTRKLKTHLQHLRWKGAKNTDWEHKEKCCARCCQVVGFLLRHG 77
AVCRGCSHRVCAQCRVFLRGTHAWKCTVCFEDRNVKIKTGEWFYEERAKKFTPGGKHETVGGQLLSYQKLSKISVV 154
PPTPPVSESQSRSPGRLOEFGQFRGFNKSVENLFLSLATHVKLSKSNQDMTSEKHLATGPRQCVGQTERRSQS 231
DTAVNVTRKVSAPDILKPLNQEDPKCSTNPILKQNLPSPPSTIFSGGFRHGSLSIDSTCTEMGNFDNANVTG 308
EIEFAIHCFKTHSLEICIKACKNLAYGEEKKKCNPYVKTYLLPDRSSQGRKTGVQRNTVDPTFQETLKYQVAPA 385
QLVTRQLQVSVVHLGLTARRVFLGEVLIPLATWDFEDSTTSFRWHPLRAKAEKYEDSVPSNGELTVRAKLVLPSR 462
PRKLQEAQEGTDQPSLHGQLCLVVLGAKNLPVRPDGTLNSFVKGLTLPDQQLRLKSPVLRKQACPQWKHSFVFSG 539
VTPAQLRQSSLELTVDQALFGMNDRLGGTRLGSKGDTAVGGDACSQSKLQWKVLSSENLWTDMTLVLH 610

Figure 6

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Replacement Sheet



Ly111b-fullB : the transcript (SEQ ID NO: 49)

AATGGAAGGGCGTGAGCGCTTGGTCCATGCAGTGAAGCTCTTCCAACCTGGGTCAACGAAAA
CGGAGAAGAAATGGCCCAAGAAATAGATCTGAGTGCTCTCAAGGAGTTAGAACGCGAGGCCA
TTCTCCAGGTCTGTACCGAGACCAGGCGGTTCAAAACACAGAGGAGGAGAGGACACGGAAA
CTGAAAACACACCTGCAGCATCTCCGGTGGAAAGGAGCGAAGAACACGGACTGGGAGCACA
AGAGAAGTGCTGTGCGCGCTGCCAGCAGGTGCTGGGGTTCCTGCTGCACCGGGGCGCCGTGT
GCCGGGGCTGCAGCCACCGCGTGTGTGCCAGTGCCGAGTGTTCTTGAGGGGGACCCATGCC
TGGAAGTGCACGGTGTGCTTCGAGGACAGGAATGTCAAAATAAAAACTGGAGAATGGTTCTA
TGAGGAACGAGCCAAGAAATTTCCAACCTGGAGGCAACATGAGACAGTTGGAGGGCAGCTCT
TGCAATCTTATCAGAAGCTGAGCAAAATTTCTGTGGTTCTCCTACTCCACCTCCTGTCAGC
GAGAGCCAGTGCAGCCGAGTCTTGGCAGGAAGGTGAGTGCACCAGATATTCTGAAACCTCT
CAATCAAGAGGATCCCAAATGCTCTACTAACCCTATTTTGAAGCAACAGAATCTCCCATCCA
GTCCGGCACCCAGTACCATATTCTCTGGAGGTTTTAGACACGGAAGTTTAATTAGCATTGAC
AGCACCTGTACAGAGATGGGCAATTTTGACAATGCTAATGTCACTGGAGAAATAGAATTTGC
CATTCAATTATTGCTTCAAAACCCATTCTTTAGAAATATGCATCAAGGCCTGTAAGAACCTTG
CCTATGGAGAAGAAAAGAAGAAAAAGTGCAATCCGTATGTGAAGACCTACCTGTTGCCCGAC
AGATCCTCCCAGGGAAAGCGCAAGACTGGAGTCCAAGGAACACCGTGGACCCGACCTTTCA
GGAGACCTTGAAGTATCAGGTGGCCCCCTGCCAGCTGGTGACCCGGCAGCTGCAGGTCTCGG
TGTGGCATCTGGGCACGCTGGCCCCGGAGAGTGTTTCTTGGAGAAGTGATCATTCTCTGGCC
ACGTGGGACTTTGAAGACAGCACACACAGTCCTTCCGCTGGCATCCGCTCCGGGGCCAAGGC
GGAGAAATACGAAGACAGCGTTCCTCAGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGG
TTCTCCCTTCACGGCCCAGAAAACCTCCAAGAGGCTCAAGAAGGGACAGATCAGCCATCACTT
CATGGTCAACTTTGTTTGGTAGTGCTAGGAGCCAAGAATTTACCTGTGCGGCCAGATGGCAC
CTTGAACCTCATTGTTAAGGGCTGTCTCACTCTGCCAGACCAACAAAACTGAGACTGAAGT
CGCCAGTCCTGAGGAAGCAGGCTTGCCCCCAGTGGAAACACTCATTGTCTTCAGTGGCGTA
ACCCCAGCTCAGCTGAGGCAGTCGAGCTTGGAGTTAACTGTCTGGGATCAGGCCCTCTTTGG
AATGAACGACCGCTTGCTTGGAGGAACCAGACTTGGTTCAAAGGGAGACACAGCTGTTGGCG
GGGATGCATGCTCACAATCGAAGCTCCAGTGGCAGAAAGTCCTTTCCAGCCCCAATCTATGG
ACAGACATGACTCTTGCTCCTGCACTGACATGAAGGCCTCAAGGTTCCAGGTTGCAGCAGGCG
TGAGG

pLy111b-fullB : the protein (SEQ ID NO: 50)

MAQEIDLSALKELEREAILQVLYRDQAVQNTTEEERTRKLKTHLQHLRWKGAKNTDWEHKEKCCARCCQVVGFLLRG 77
AVCRGCSHRVCAQCVRVFLRGTHAWKCTVCFEDRNVKIKTGEWFYEERAKKFPTGGKHETVGGQLLSYQKLSKISVV 154
PPTPPPVSESQSRSPGRKVSAPDILKPLNQEDPKCSTNPILKQNLPSAPSTIFSGGFRHGLISIDSTCTEMG 231
NFDNANVTGEIEFAIHYCFKTHSLEICIKACKNLAYGEEKKKCNPVVKTYLLPDRSSQGRKKTGVQRNTVDPTFQE 308
TLKYQVAPQLVTRQLQVSVVHLGLTARRVFLGEVVIPLATWDFEDSTTQSFWRHPLRAKAKEYEDSVPSNGELTV 385
RAKLVLPSRPRKLQEAQEGTDQPSLHGQLCLVVLGAKNLPVRPDGTLNSFVKGLTLPDQQLRLKSPVLRKQACPQ 462
WKHSFVFSVGTTPAQLRQSSLELTVWDQALFGMNDRLLGTRLGSKGDTAVGGDACQSKLQWQKVLSSPNLWTDMTL 539
VLH 542

Figure 7